



Vision Performance Institute

A research consortium supporting
"Quality Sustainable Vision"
5th Annual VPI Research Conference

Wednesday Morning, June 1

The Visual System and 3D Displays

<u>The vision system seems designed for virtual 3D consumption</u>	8:30
Jim Sheedy, VPI	
<u>Vergence and accommodative responses to viewing 3D</u>	8:50
Shun-nan Yang, VPI	
<u>Viewer symptoms viewing 3D displays – theater study results</u>	9:10
Scott Cooper, VPI	
<u>Visual fatigue and vergence-accommodation conflict in 3D</u>	9:40
Joohwan Kim, UC Berkeley, School of Optometry	
Break	10:00
<u>What is Eyestrain?</u>	10:30
Jim Sheedy, VPI	
<u>Eyestrain and Accommodative Dysfunction</u>	10:50
Christopher Chase, Western University	

3D Displays – Vision and Public Health

<u>Vision, 3D, and Eye Care Demand- A New Prevention Model?</u>	11:10
Michael Duenas, American Optometric Association, Health Sciences and Policy	
<u>Role of the 3D industry in providing for public health</u>	11:40
Heidi Hoffman, 3D@Home	
Lunch	12:00

Wednesday afternoon

<u>The 3D Eye Clinic</u>	1:30
James Kundart, VPI	
<u>Specialized Clinical Testing of 3D Patients</u>	1:50
Hannu Laukkanen, VPI	
<u>3D gaming rendering, perceived immersion, and symptoms</u>	2:10
Shun-nan Yang, VPI	

Technology and Delivering 3D to the Visual System

<u>3D The User Experience Story</u>	Philip Corriveau – Principal Engineer, Interaction & Experience Research – Intel Corporation	2:30
Break		3:00
<u>The art, technology, and business of 3D content production, distribution, and display</u>	Phil Lelyveld, Consumer 3D Experience Lab	3:30
<u>How to create bad 3D Films and TV</u>	Chris Haws. Psychologist and Film Maker. Academic Advisor to 3D@Home Consortium	4:00
<u>Certifying 3D Performance in the Home</u>	Rick Dean, Sr. VP THX/Chairman 3D@Home Consortium	4:30
Session end		5:00

Thursday Morning, June 2

<u>The limitations of stereoscopic 3D display technologies as a path to immersive reality</u>	Aris Silzars, Northlight Displays	8:30
<u>3D Displays Testing Methods</u>	Adi Abileah, Chief Scientist, Technology Group, PLANAR SYSTEMS, Inc.	8:50

Children and Electronic Displays

<u>The Young Visual System</u>	Maureen Powers, Gemstone Foundation Research Institute	9:20
Break		9:50
<u>Children and Reading</u>	Shun-nan Yang, VPI	10:20
<u>Dyslexia and Eye Movements</u>	Yu-Chi Tai, VPI	10:50

Glasses, Optics, and Vision

<u>3D Glasses</u>	Steve Sechrist, Insight Media	11:20
<u>3D Technology in Classrooms</u>	Dan Lantowski, Texas Instruments	11:50
Lunch		12:10

Thursday afternoon

<u>The use of shutter glasses in sports vision</u>	Karl Citek, Pacific University	1:40
--	--------------------------------	------

<u>The use of shutter glasses in learning</u>	Eric Hussey, private practice of optometry	2:00
<u>A new measure of vision performance</u>	Allan Hytowitz, Animated Vision Associates	2:20
<u>Dyops, a new vision assessment -- Properties and precision</u>	Yu-Chi Tai, VPI	2:40
Break		3:00
<u>Characterizing the Optics of Progressive Addition Lenses</u>	Thomas Raasch, Professor, Ohio State University	3:30
<u>Measurement of higher-order aberrations in contact lenses</u>	James Butler, Pacific University	4:00

Vision and Display Characteristics

<u>Designing legible fonts</u>	Kevin Larson, Researcher Advanced Reading Technologies, Microsoft	4:20
<u>Ambient Light and Computer Displays – LCD vs e-ink</u>	Yu-Chi Tai, VPI	4:50
Session end		5:10

Friday Morning, June 3

<u>Viewing displays from an angle</u>	Shun-nan Yang, VPI	8:30
<u>Multiple Displays, Age and Posture</u>	Matt Camilleri, Assistant Research Engineer, UC Berkeley	8:50
<u>Within-word text segmentation, lexical processing, and reading</u>	Yu-Chi Tai, VPI	9:10
<u>Self-Selected Display Location: Effect of Duration and Number of Displays</u>	Matt Camilleri, Assistant Research Engineer, UC Berkeley	9:30
Break		9:50

Vision and Health

<u>Assessing the Retina, Preferential Hyperacuity Perimeter</u>	Lorne Yudcovitch, Pacific University	10:20
<u>Optical quantification of lipofuscin</u>	John Hayes, VPI	10:45
<u>Meibomian Gland Meibomoscopy</u>	Patrick Caroline, Pacific University	11:05
<u>Pacific Lipofuscin study</u>	John Hayes, VPI	11:35
End of Meeting		12:00

